

FIG. 1

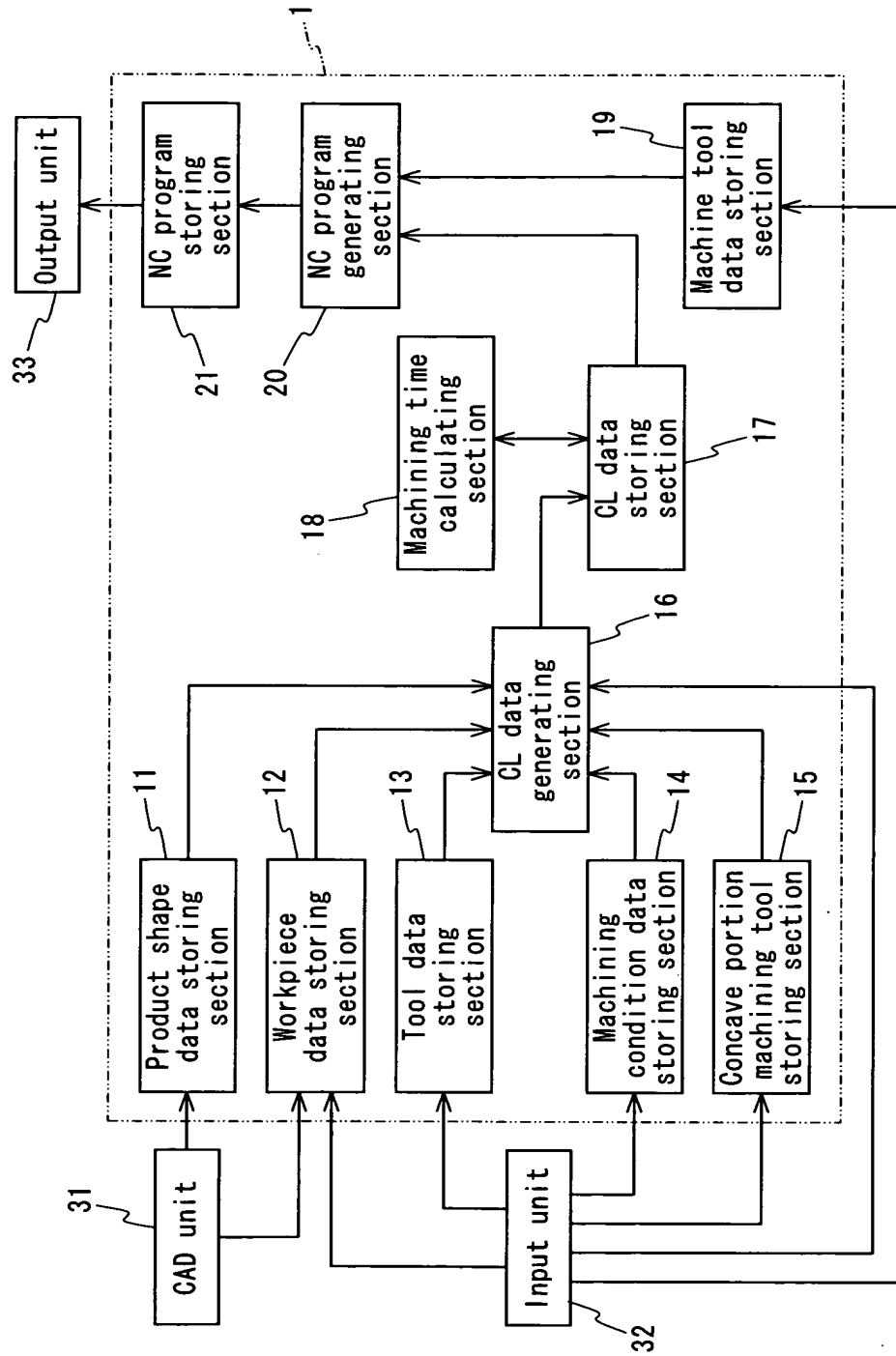


FIG. 2

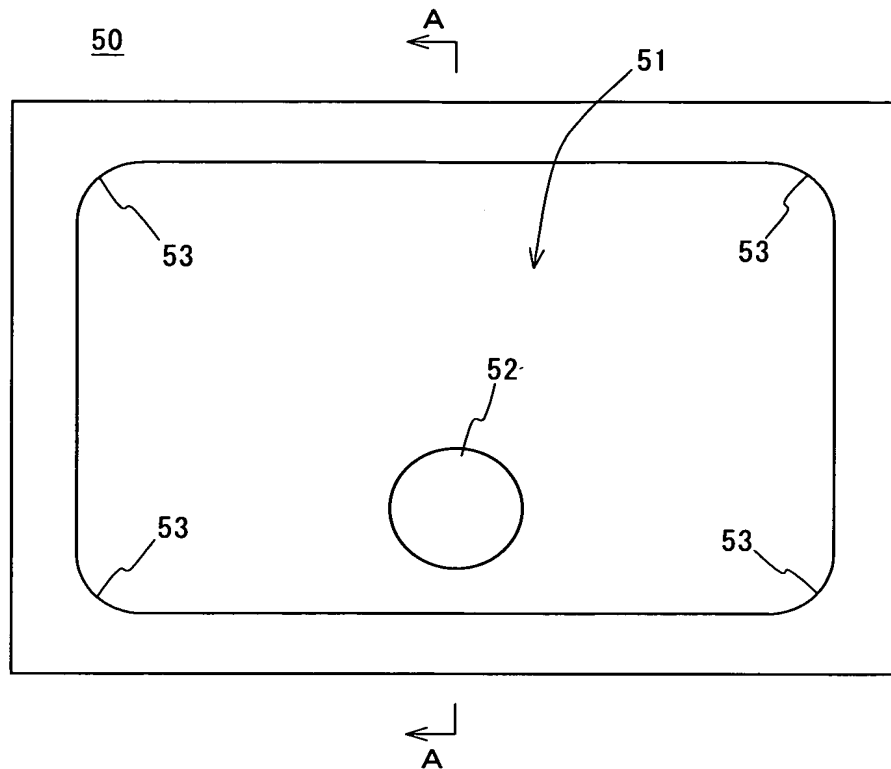


FIG. 3

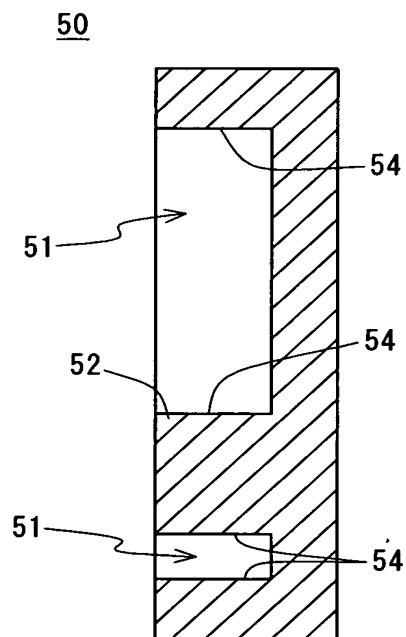


FIG. 4

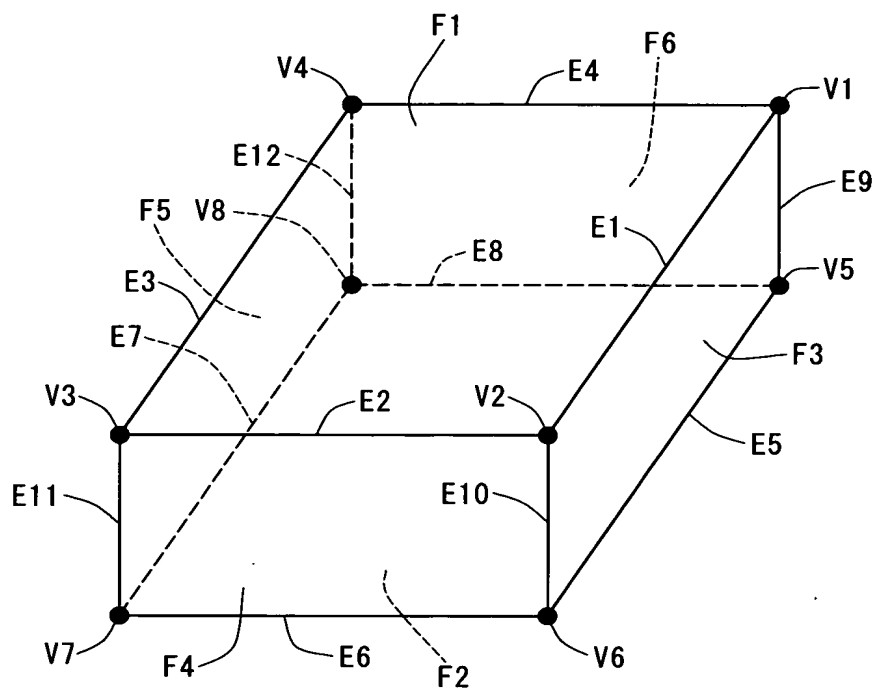


FIG. 5

Face

Face number	Edge number
F1	E1, E2, E3, E4
F2	E5, E6, E7, E8
F3	E1, E9, E5, E10
⋮	⋮

Edge

Edge number	Vertex number
E1	V1, V2
E2	V2, V3
E3	V3, V4
⋮	⋮

Face equation

Face number	Coefficients of equation
F1	A1, B1, C1, D1
F2	A2, B2, C2, D2
F3	A3, B3, C3, D3
⋮	⋮

Edge equation

Edge number	Coefficients of equation
E1	a1, b1, c1, d1
E2	a2, b2, c2, d2
E3	a3, b3, c3, d3
⋮	⋮

Vertex

Vertex number	Coordinate values		
	X	Y	Z
V1	X1	Y1	Z1
V2	X2	Y2	Z2
V3	X3	Y3	Z3
⋮	⋮	⋮	⋮

FIG. 6

	Tool number	Type	Tool diameter	Tool length	Material
1	T0001	End mill	φ20	50	SKH
2	T0002	Drill	φ10	50	SKH
3	T0003	Face mill	φ30	50	SKH
4	T0004	End mill	φ16	40	SKH
5	T0005	End mill	φ12	30	SKH
6	T0006	End mill	φ40	50	SKH
7	T0007	Drill	φ20	40	SKH
8	T0008	Face mill	φ20	40	SKH
...

FIG. 7

Tool group A			
	Tool number	Type	Tool diameter
1	T0006	End mill	$\phi 40$
2	T0001	End mill	$\phi 20$
3	T0004	End mill	$\phi 16$
4	T0005	End mill	$\phi 12$

Tool group B			
	Tool number	Type	Tool diameter
1	T0010	End mill	$\phi 30$
2	T0015	End mill	$\phi 24$
3	T0004	End mill	$\phi 16$
4	T0005	End mill	$\phi 12$

Tool group C			
	Tool number	Type	Tool diameter
1	T0010	End mill	$\phi 30$
2	T0001	End mill	$\phi 20$
3	T0005	End mill	$\phi 12$

⋮

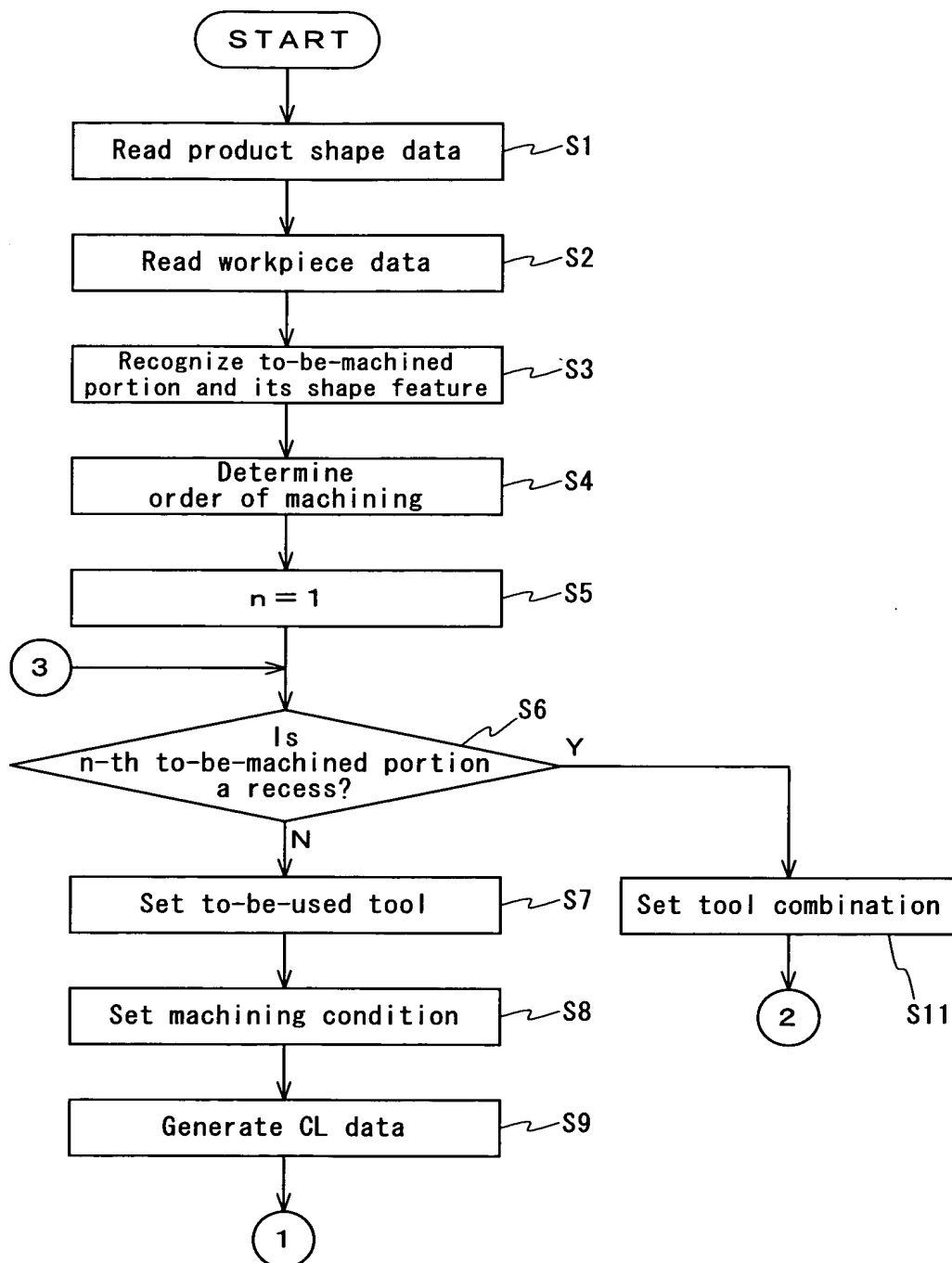


FIG. 9

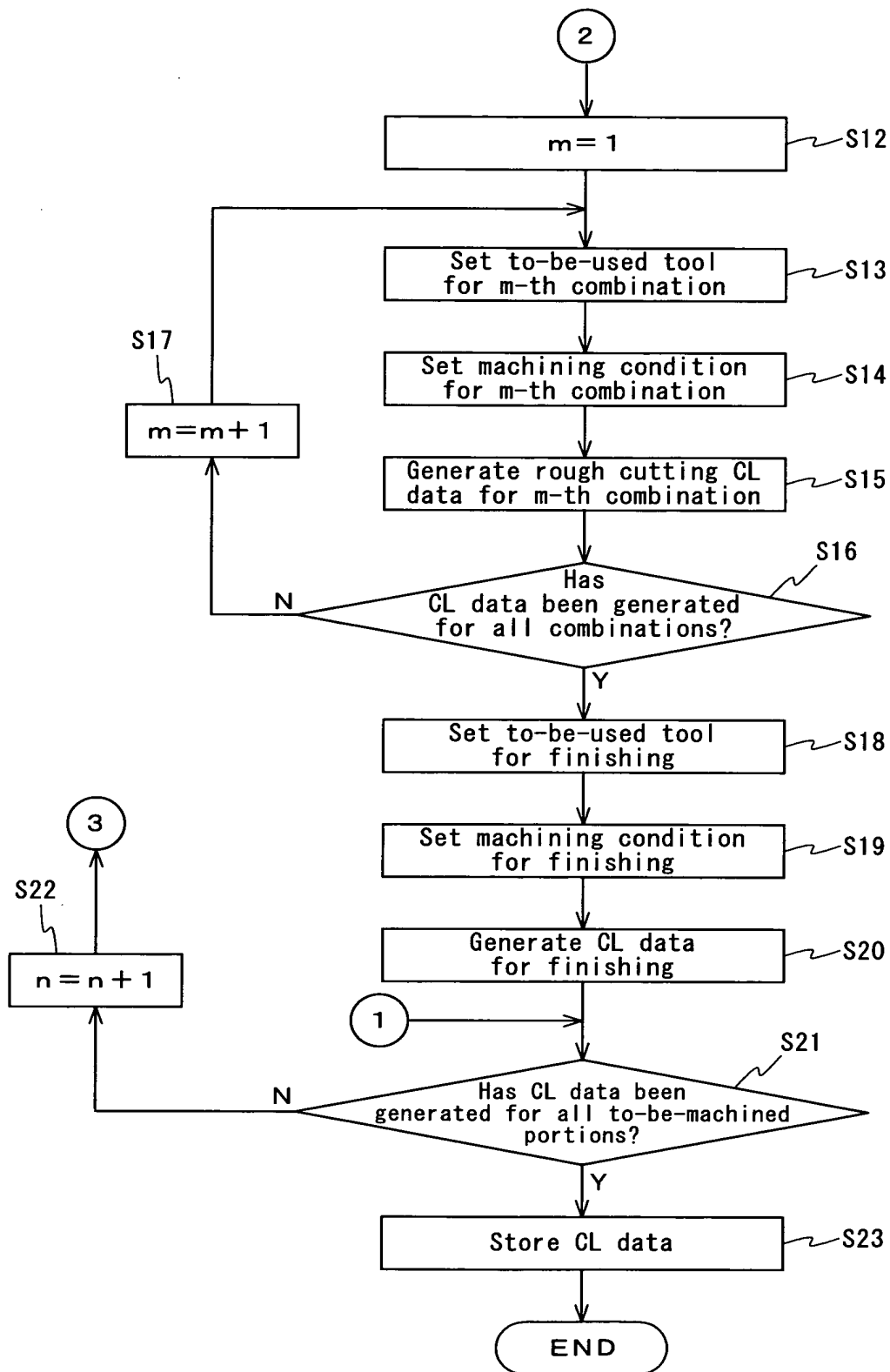


FIG. 10

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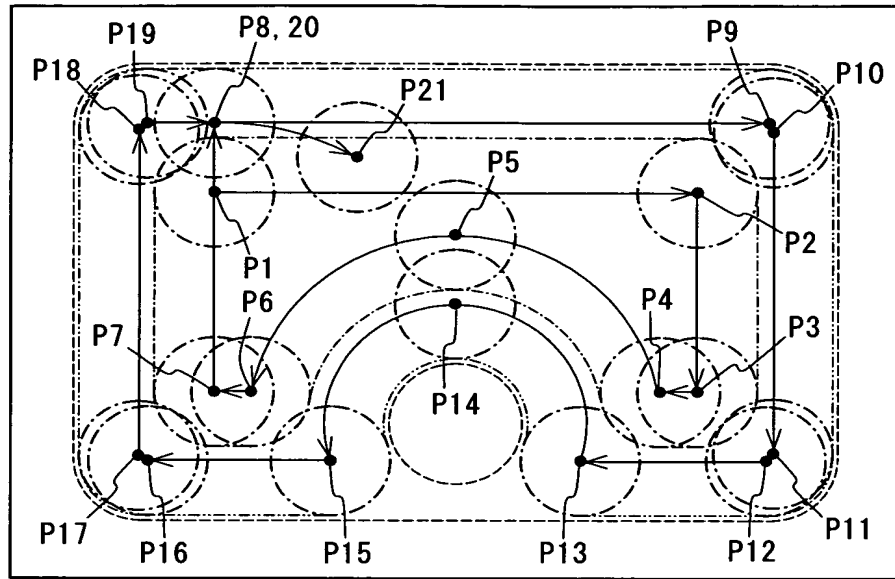


FIG. 11

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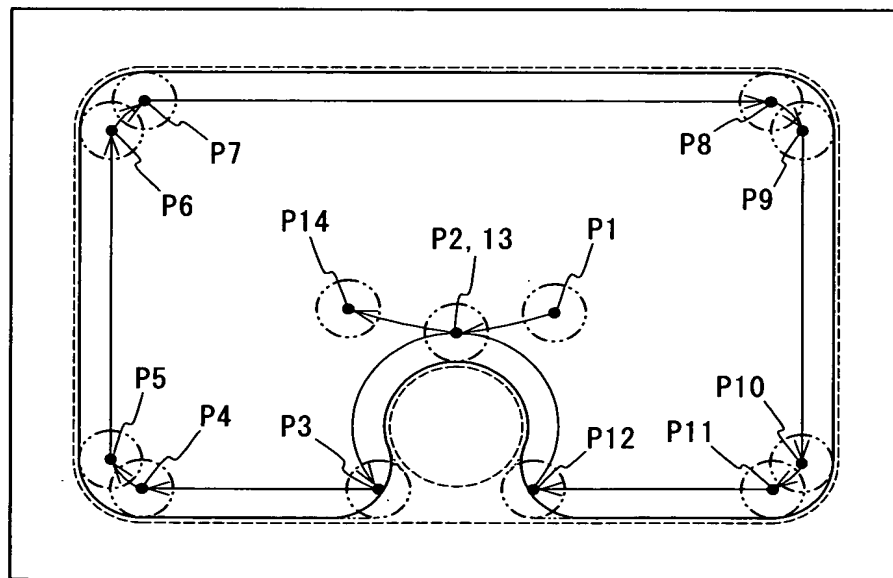


FIG. 12

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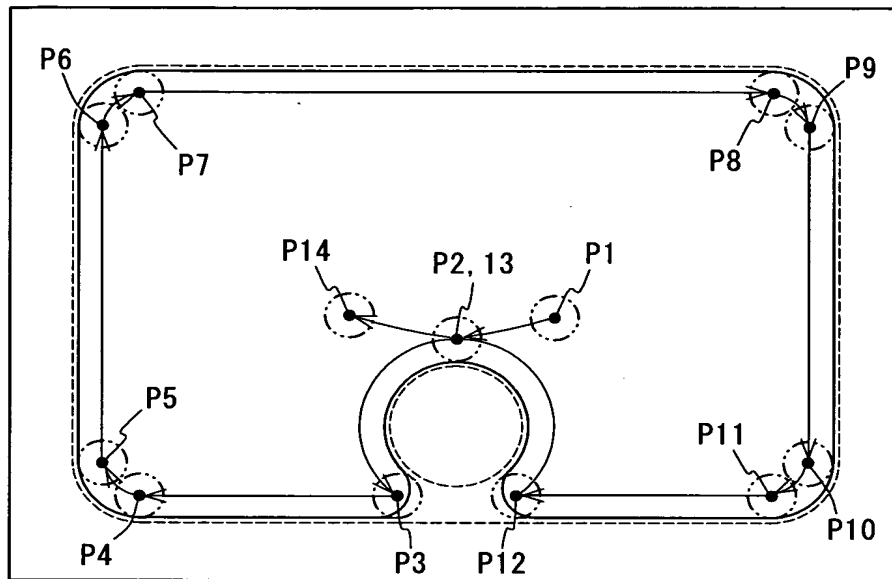


FIG. 13

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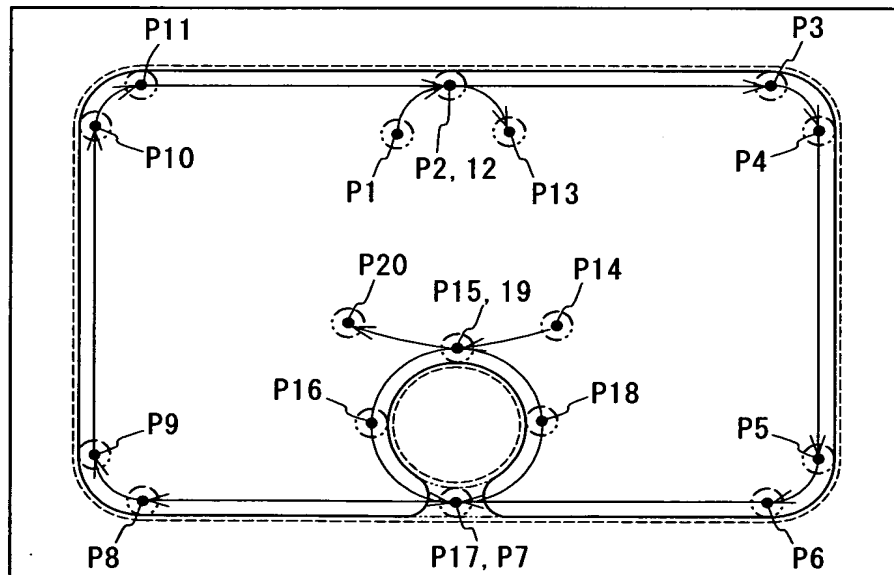


FIG. 14

